

ABSTRACT OF THE DISCLOSURE

An ink image producing machine has (a) imaging devices, including at least one ink jet print head and an image receiving station for producing an ink image on a heated substrate; (b) a substrate handling assembly including holding devices for holding supplies of substrates, and transport feeding devices for transporting and feeding substrates in a substrate direction towards the image receiving station; (c) a first substrate heating assembly located upstream of the image receiving station for initially heating each substrate being fed and transported from the holding devices; and (d) a second substrate heating assembly located downstream of the first substrate heating assembly and upstream of said image receiving station, relative to the substrate feeding direction, for controllably re-heating each substrate, initially heated by the first substrate heating assembly, to a desired ink image receiving temperature.